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Date: May 12, 2003

*Please Deliver To:*

Name: Examiner Chat C. Do

Firm: U.S. Patent and Trademark Office

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From: Thomas M. Fisher

Serial Number: 09/507,521

Docket: 15-CT-5271

**PAPERS TRANSMITTED:**

Amendment Transmittal (3 pgs.)

Amendment in response to Office Action dated

October 3, 2002 and Notice of Non-

Responsive Amendment dated February 12,

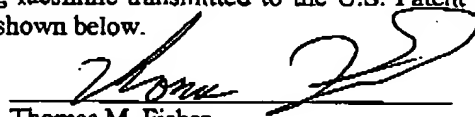
2003 (22 pgs.)

Submission of Marked Up Claims (3 pgs.)

**Total pages including cover page: 29****If all pages are not received, please contact Thomas Fisher at (314) 621-5070, ext. 7462****CERTIFICATE OF FACSIMILE TRANSMISSION**

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Date: May 12, 2003

  
 Thomas M. Fisher  
 Registration No. 47,564

Applicant: *Mix Xie et al.*

Serial No.: 09/507,521

Filed: February 18, 2000

Art Unit: 2124

Examiner: Do, Chat C.

Atty. Dkt. No.: 15-CT-5271 (12553-191)

For: **METHOD AND APPARATUS FOR FAST NATURAL LOG(X) CALCULATION**

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PATENT  
15-CT-5271

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Min Xie et al.

Art Unit: 2124

Serial No.: 09/507,521

Examiner: Do, Chat C.

Filed: February 18, 2000

For: METHOD AND APPARATUS  
FOR FAST NATURAL LOG(X)  
CALCULATIONCommissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## TRANSMITTAL

1. Transmitted herewith is:

Amendment in response to Office Action dated October 3, 2002 and Notice of  
Non-Responsive Amendment dated February 12, 2003 (22 pgs.); Submission of  
Marked Up Claims (3 pgs.)

## STATUS

2. Applicant

☐ Claims small entity status.☒ is other than a small entity.

## CERTIFICATE OF MAILING/TRANSMISSION

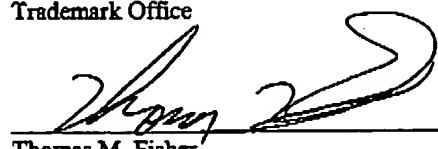
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Date: May 12, 2003

## FACSIMILE

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15-CT-5271  
PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Min Xie et al.

Art Unit: 2124

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For: METHOD AND APPARATUS  
FOR FAST NATURAL LOG(X)  
CALCULATION

## AMENDMENT

Hon. Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated October 3, 2002, and the Notice of Non-Responsive Amendment dated February 12, 2003, Applicants respectfully request consideration of the following amendment:

IN THE CLAIMS

Please cancel claims 1, 4, 12, 18 and 26.

2. (once amended) A method in accordance with Claim 31 wherein the particular number  $x$  has a binary exponent  $e$  in addition to the binary mantissa  $m$ ;

05/21/2003 TMCBETH 00000002 012384 09507521

01 FD:1252 410.00 CH